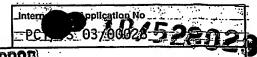
INTERNATIONAL SEARCH REPORT



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A CLASSIF IPC 7	E01F7/04 Rec' /PTO	n 4 MAR 2005	
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) IPC 7 E01F			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) PAJ, EPO-Internal, WPI Data			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the relevant	Relevant to claim No.	
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 11, 30 September 1999 (1999-09-30) & JP 11 148113 A (CIVIL:KK;YOSHID DESIGN:KK), 2 June 1999 (1999-06- abstract	A KOUZOU 02)	1-8
Furt	her documents are listed in the continuation of box C.	Patent family members are listed i	n annex.
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the International filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the International filing date but later than the priority date claimed Date of the actual completion of the international search "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents; such combination being obvious to a person skilled in the art. "&" document member of the same patent family Date of mailing of the International search report			the application but cory underlying the laimed invention be considered to cument is taken alone laimed invention ventive step when the re other such docuse to a person skilled family
11 December 2003		1 L. U I. ZUU4	
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European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016 ÄKE OLOFSSON/JAA			
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PC17.3 03/00028

Patent document cited in search report Publication date Publication member(s) Publication date

JP 11148113 A 02-06-1999 JP 3458134 B2 20-10-2003

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